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(54) **Pneumatic tyre for passenger cars and method of manufacture thereof**

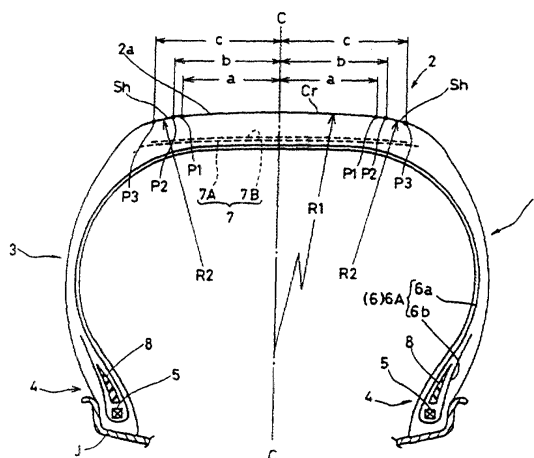
(57) A pneumatic tyre for passenger cars which is improved in harshness noise without deteriorating the steering stability is disclosed, wherein a harshness factor HF is set in the range of from 3.2 to 3.5, the harshness factor HF being:

$$HF = -0.133X(R1/100) + 0.245X(R1/R2) -$$

$$0.183X(Kv/10) + 3.898$$

where R1 is a radius of curvature (mm) of a crown part (Cr) of the tread profile, R2 is a radius of curvature (mm) of shoulder parts (Sh) of the tread profile, and Kv is the vertical spring constant (KN/mm) of the tyre.

Fig.1



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EUROPEAN SEARCH REPORT

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Place of search THE HAGUE		Date of completion of the search 9 August 2001	Examiner Baradat, J-L
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

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